Day : Thursday

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Time: 10:16:25

Inventor Information for 09/988941

Inventor Name	City	State/Country
BONANNI, LUCIANO B.	DIX HILLS	NEW YORK
TENORE, ANTHONY	YONKERS	NEW YORK

Appln Info | Contents | Petition Info | Atty/Agent Info | Continuity Data | Foreign D

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L10	l9 and (ferromagnet$ or ferro adj magnet$)	19	L10
L9	l7 and l1	42	L9
L8	L7 ann l1	63504	L8
L7	pole$ adj piece$	11948	L7
L6	L5 and l4	0	L6
L5	laminat$ near2 steel$	3195	L5
L4	L3 and l1	6	L4
L3	(ferro adj magnet$ Or ferromagnet$)near2(structure$ Or frame$ Or support$)	2004	L3
L2	(ferro adj magnet$ Or ferromagnet$)near2(structure$ Or frame$ Or support$)	2004	L2
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END OF SEARCH HISTORY

1/9,K/1 **(Item 1 from file: 350)**
DIALOG(R)File 350:Derwent WPIX

014833651 **Image available**
WPI Acc No: 2002-654357/200270
XRPX Acc No: N02-516923

MRI scan pulse sequence parameters control for surgery, involves changing pulse sequence parameter values corresponding to slice orientation of scanned image along specified planes, in response to received control signal

Patent Assignee: FONAR CORP (FONA-N)
Inventor: **BONANNI L B** ; DAMADIAN J
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 6400157	B1	20020604	US 9766535	A	19971126	200270	B
			US 98200267	A	19981125		

Priority Applications (No Type Date): US 9766535 P 19971126; US 98200267 A 19981125
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6400157	B1		20	G01V-003/00	Provisional application US 9766535

Abstract (Basic): US 6400157 B1

NOVELTY - A control signal is received by an MRI system (10) from an input device (14a) to control orientation of a slice in scanned image of a patient along sagittal, axial or coronal planes. Subsequent control signals are received from the input device, to change the value of parameters of a pulse sequence corresponding to the slice of a scanned image oriented along specific plane.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

(1) Magnetic resonance imaging scan pulse sequence parameters value control method;

(2) Magnetic resonance imaging method;

(3) Magnetic resonance imaging system;

(4) Medical procedure execution method.

USE - For controlling parameters of a pulse sequence of a MRI scan of a patient during surgery and for diagnosing abnormal biological tissue e.g. cancerous tissue.

ADVANTAGE - Parameters of a pulse sequence of a MR image are varied rapidly to enable quicker implementation of scanning procedure based on updated pulse sequence.

DESCRIPTION OF DRAWING(S) - The figure shows a schematic view of magnetic resonance imaging system.

MRI system (10)

Input device (14a)

pp; 20 DwgNo 1/6

Title Terms: MRI; SCAN; PULSE; SEQUENCE; PARAMETER; CONTROL; SURGICAL; CHANGE; PULSE; SEQUENCE; PARAMETER; VALUE; CORRESPOND; SLICE; ORIENT; SCAN; IMAGE; SPECIFIED; PLANE; RESPOND; RECEIVE; CONTROL; SIGNAL
Derwent Class: S01; S03; S05
International Patent Class (Main): G01V-003/00
File Segment: EPI
Manual Codes (EPI/S-X): S01-E02A2; S03-C02; S03-E07A; S05-D02B1

Inventor: **BONANNI L B** ...
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Set     Items   Description
S1          1   AU=(BONANNI L? OR BONANNI, L? OR TENORE A? OR TENORE, A?)
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         (c) 2002 WIPO/Univentio
File 350:Derwent WPIX 1963-2002/UD,UM &UP=200282
         (c) 2002  Thomson Derwent
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             GNETORESONANCE  OR PMR OR PROTON(W)MAGNETIC(W)RESONAN? OR MR(
             )(IMAGE OR IMAGING) OR MRA OR MRS
S2       5356   IC=(G01R-003 OR G01N-024/08 OR G01V-003/175 OR G01V-003/00
             )
S3       4685   MC=(S01-E02A2 OR S03-E07A OR S01-E02A8A OR S01-E02A1 OR S0-
             3-E07C OR S05-D02B1 OR S03-C02F1)
S4       4562   CC=(A87601 OR B7510N)
S5    1574791   S1:S4
S6       9414   (FERRO()MAGNET? OR FERROMAGNET?)(2N)(STRUCTURE? OR FRAME? -
             OR SUPPORT?)
S7      10543   POLE?()PIECE?
S8        473   PATIENT(3N)GAP?
S9       5829   LAMINAT?(2N)STEEL?
S10         0   S5 AND S6 AND S7 AND S8 AND S9
S11         0   S5 AND S6 AND S7  AND S9
S12         0   S5 AND S6 AND S9
S13       274   S5 AND S6
S14       134   S5(10N)S6
S15       123   S5(6N)S6
S16       105   S5(3N)S6
S17       101   S16 AND PY<=2001
S18         0   S17 AND STEEL(2N)LAYER?
S19        96   RD S17 (unique items)
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S21        11   S5 AND STEEL(2N)LAYER?
S22         0   S21 AND (FERRO()MAGNET? OR FERROMAGNET?)
S23         3   S19  AND STEEL?
S24         0   S1 AND S6 AND S9
S25         0   S6 AND S9
S26       176   S6 AND STEEL?
S27         6   S26 AND S5
S28         6   RD (unique items)
S29         3   S28 NOT S23
?  show files
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         (c) 2002 ProQuest Info&Learning
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         (c) 2001 Australian Mineral Foundation Inc
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         (c) 2002 The HW Wilson Co.
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         (c) 2002 Geosystems
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         (c) 2002 Inst for Sci Info
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(c) 2002 Elsevier Science Ltd.
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(c) 2002 American Geological Institute
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File 350:Derwent WPIX 1963-2002/UD,UM &UP=200282
(c) 2002 Thomson Derwent
File 347:JAPIO Oct 1976-2002/Aug(Updated 021203)
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S1	30	CG='US 6023165'
S2	0	S1 AND (FERRO()MAGNET? OR FERROMAGNET?)(2N)(STRUCTURE? OR FRAME? OR SUPPORT?)
S3	29	S1 AND (MRI OR MAGNETIC(W)RESONANC? OR NMR OR FTNMR OR FTMRI OR MAGNETORESONANCE OR PMR OR PROTON(W)MAGNETIC(W)RESONAN? OR MR( )(IMAGE OR IMAGING) OR MRA OR MRS)
S4	0	S3 AND ((FERRO()MAGNET? OR FERROMAGNET?)(2N)(STRUCTURE? OR FRAME? OR SUPPORT?))
S5	1	S3 AND STEEL?
S6	28	S3 NOT S5
S7	5	CT='US 6023165'
S8	0	S7 AND ((FERRO()MAGNET? OR FERROMAGNET?)(2N)(STRUCTURE? OR FRAME? OR SUPPORT?))

7/3/1
DIALOG(R)File 342:Derwent Patents Citation Indx
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04500222 WPI Acc No: 01-615474/71
Magnetic resonance scanning apparatus for medical surgery, has patient receiving gap between spaced ferromagnetic poles that are arranged within room having specific dimensions -
Patent Assignee: (FONA-) FONAR CORP
Author (Inventor): DAMADIAN R V; DANBY G T; JACKSON J W; HSIEH H; MORRONE T ; DAMADIAN T
Patent (basic)

Patent No	Kind	Date	Examiner Field of Search
US 6288546	B1	010911 (BASIC)	324300; 324318; 324319; 324320; 324322

Derwent Week (Basic): 0171
Priority Data: US 568920 (000511)
Applications: US 568920 (000511)
Derwent Class: S01; S03; S05; X12
Int Pat Class: G01V-003/00
Number of Patents: 001
Number of Countries: 001
Number of Cited Patents: 036
Number of Cited Literature References: 001
Number of Citing Patents: 000

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DIALOG(R)File 342:Derwent Patents Citation Indx
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04461578 WPI Acc No: 01-564017/63
Surgical treatment performing method using NMR image scanning apparatus, involves placing two ferromagnetic poles opposing each other with a patient receiving gap in between and performing surgery to patient -
Patent Assignee: (FONA-) FONAR CORP
Author (Inventor): DAMADIAN R V; DANBY G T; JACKSON J W; HSIEH H; MORRONE T ; DAMADIAN T
Patent (basic)

Patent No	Kind	Date	Examiner Field of Search
US 6225805	B1	010501 (BASIC)	324300; 324318; 324319; 324320; 324322; 600410; 600421; 600422

Derwent Week (Basic): 0163
Priority Data: US 370973 (990809)
Applications: US 370973 (990809)
Derwent Class: S03; S05
Int Pat Class: G01V-003/00
Number of Patents: 001
Number of Countries: 001
Number of Cited Patents: 033
Number of Cited Literature References: 001
Number of Citing Patents: 000

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DIALOG(R)File 342:Derwent Patents Citation Indx
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04384018 WPI Acc No: 01-353114/37
Magnetic resonance imaging method for imaging soft abnormal tissues such as tumor, involves positioning physician entirely within the magnetic frame,

adjacent to gap, where patient is positioned -
Patent Assignee: (FONA-) FONAR CORP
Author (Inventor): DANBY G T; LINARDOS J; DAMADIAN J; DAMADIAN R V
Patent (basic)

Patent No	Kind	Date	Examiner Field of Search
US 6208145	B1	010327 (BASIC)	324307; 324309; 324318; 324319; 324320; 324322

Derwent Week (Basic): 0137
Priority Data: US 477468 (000104)
Applications: US 477468 (000104)
Derwent Class: S01; S03; S05
Int Pat Class: G01V-003/00
Number of Patents: 001
Number of Countries: 001
Number of Cited Patents: 040
Number of Cited Literature References: 000
Number of Citing Patents: 000

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DIALOG(R)File 342:Derwent Patents Citation Indx

04359978 WPI Acc No: 01-289436/30
Magnet used in MRI apparatus, adapts source of magnetic flux, to direct flux via frame having working space along side of pole to accommodate physicians -
Patent Assignee: (FONA-) FONAR CORP
Author (Inventor): DANBY G T; LINARDOS J; DAMADIAN J; DAMADIAN R V
Patent (basic)

Patent No	Kind	Date	Examiner Field of Search
US 6201394	B1	010313 (BASIC)	324300; 324318; 324319; 324320; 324322; 335216; 335296

Derwent Week (Basic): 0130
Priority Data: US 975913 (971121)
Applications: US 975913 (971121)
Derwent Class: S01; S03; S05; X12
Int Pat Class: G01V-003/00
Number of Patents: 001
Number of Countries: 001
Number of Cited Patents: 040
Number of Cited Literature References: 000
Number of Citing Patents: 001

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DIALOG(R)File 342:Derwent Patents Citation Indx

04303432 WPI Acc No: 00-491135/43
Fitting gear for alignment of ferromagnetic plates for welding, includes tapered pin forced between U-shaped section of electromagnet and upper surface of one of the two plates -
Patent Assignee: (HANN/) HANNAN D
Author (Inventor): HANNAN D
Patent (basic)

Patent No	Kind	Date	Examiner Field of Search
WO 200043158	A1	000727 (BASIC)	None

Derwent Week (Basic): 0043
Priority Data: US 236382 (990125)

Applications: US 236382 (990125); AU 200032128 (000122); WO 2000US1607 (000122)
Designated States
(National): AE; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; CA; CH; CN; CU; CZ; DE; DK; EE; ES; FI; GB; GD; GE; GH; GM; HR; HU; ID; IL; IN; IS; JP ; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU; LV; MD; MG; MK; MN; MW; MX; NO; NZ; PL; PT; RO; RU; SD; SE; SG; SI; SK; SL; TJ; TM; TR; TT; UA ; UG; US; UZ; VN; YU; ZA; ZW
(Regional): AT; BE; CH; CY; DE; DK; EA; ES; FI; FR; GB; GH; GM; GR; IE; IT; KE; LS; LU; MC; MW; NL; OA; PT; SD; SE; SL; SZ; TZ; UG; ZW
Derwent Class: P55
Int Pat Class: B23K-001/14; B23K-005/22; B23K-031/02
Number of Patents: 003
Number of Countries: 087
Number of Cited Patents: 030
Number of Cited Literature References: 000
Number of Citing Patents: 000
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